L2 ANSWER 151 OF 191 CA COPYRIGHT 2006 ACS on STN
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TI **Cement** composition containing **photocatalyst** and construction method using it
IN Matsuji, Makoto; Kaneko, Masaru; Kaneda, Yoshihisa; Soeda, Koichi; Yamaguchi, Koichi; Ibisuki, Akitsugu; Takeuchi, Hiroshi
PA Agency of Industrial Sciences and Technology, Japan; Taiheiyo Cement Co., Ltd.; Ishihara Sangyo Kaisha, Ltd.
SO Jpn. Kokai Tokkyo Koho, 7 pp.
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CLASS

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AB The composition contains **cement** 100, aggregate 10-500, a water-soluble polymer as a water-retaining thickener and an adhesion accelerator 0.05-200, and **photocatalyst** 10-200 weight parts. Alternatively, the composition contains **cement** 100, aggregate 10-500, a water-retaining thickener 0.05-2, an adhesion accelerator 1-200, and **photocatalyst** 10-200 weight parts. The construction is carried out by the following steps: (1) kneading the composition with 20-300 weight parts H2O, (2) keeping the kneaded composition still, and (3) further kneading the composition to give **mortar** flow level ≥120 mm and coating the composition The composition is useful for forming thick coatings on **concrete**, **mortar**, etc. without crack or exfoliation.
ST **cement** compn **photocatalyst** construction thick coating